



Postal Registration No. N.E.-771/2006-2008

# THE GAZETTE OF MEGHALAYA

PUBLISHED BY AUTHORITY

No. 53 Shillong, Thursday, December 31, 2009 10th Pausa, 1931 (S.E.)

*Separate paging is given on this part in order that it may be filed as a separate compilation.*

## PART - IX

Advertisements and Notices by Government Offices and Public Service

### NOTICES

#### STANDARD FORM OF APPLICATION

Photo

Dated, \_\_\_\_\_

To

The \_\_\_\_\_  
\_\_\_\_\_

Sir,

I beg to apply for the post of \_\_\_\_\_ and furnish the facts/as below in case of any false statement I am liable to any action Government may deem fit and proper. A Treasury Challan of Rs. \_\_\_\_\_ vide T. V. No. \_\_\_\_\_ is attached herewith.

Signature of Applicant

1. Full name in capital letters with address; if any; Surname first  
(Please do not use any initials)

\_\_\_\_\_  
Surname

2. Date of Birth :

\_\_\_\_\_  
Year Month Date

3. Place of Birth :

\_\_\_\_\_  
Village/Town Police Station District State

4. Father's/Mother's and Husband's (in case of married female)  
(Please do not use initials).

## 5. Personal description :

A. Height

\_\_\_\_\_ M \_\_\_\_\_ Cm.

B. Colour of Eyes

\_\_\_\_\_

C. Colour of Hair :

D. Visible distinguishing marks (if any)

6. A. Permanent Address in full.

B. Present Address in full.

C. If you have not resided at the above address continuously for the last four years. Please give the other address where you have resided during the period.

From :

To :

Address :

## 7. References :—

Name and address of two responsible persons in your localities who would be prepared to vouch for you.

A.

B.

8. Are you citizen of India? If so, how? (Copy of Citizenship Certificates should be enclosed where necessary).

9. Educational and other qualifications (Please attach copies of Certificates, Mark Sheets etc.)

Sl. No.	Name of Institution and Address	Date of entering	Date of leaving	Examination passed	Division	Subject taken
1.	2	3	4	5	6	7

1.

2.

3.

4.

5.

6.

## 10. Community :

(a) State your religion :

(b) Are you a member of Scheduled Caste/Scheduled Tribe? Answer "Yes" or "No". If "Yes" give particulars supported by a Certificate (Copy to be enclosed).

11. Present occupation, if any :

12. Previous appointment held, if any :

13. Are you a temporary/retrained personnel of temporary Department of the Government of Meghalaya, Answer "Yes" or "No" (If "yes" give particulars).

14. Are you trained in or a member of the National Cadet Corps or Territorial Army? If so, give particulars.

15. Are you married or unmarried?

Signature.

**Note :** Particulars are to be filled in below the column in the space provided.

NO.SAN.4/2009/Pt/12

Dated Shillong, the 25<sup>th</sup> November, 2009.OFFICE ORDER

The Government of Meghalaya are pleased to appoint the under mentioned firms as the approved suppliers of Miscellaneous Articles to the Meghalaya (C) Secretariat for the year 2009-2010, at the rates indicated against each item with immediate effect and until fresh appointment is made:-

NAME OF THE APPROVED SUPPLIERS :-

1. M/S. Doloris War, Pynthorbah, Shillong -I.
2. M/S. Pandit Traders, Police Bazar, Shillong-I.
3. M/S. Walvens, Lumkshaid, Lower Mawprem, Shillong -2.
4. M/S. Karma Enterprise, Ka Mary Rd., Nongrimmaw, Laitumkhras, Shillong -2.
5. M/S. Barry Enterprise, Block -I, Pynthorbah, Shillong -1.
6. M/S. L.E. Roy Nonghulo, Lumkshaid, Lower Mawprem, Shillong -2.
7. M/S. East India Trading Agency, G.S. Road, Shillong -1.
8. M/S. P. Lyndem, Wahingdoh, near Ri-Khasi Press, Shillong -1.
9. M/S. S.S. Enterprise, Uttam Niwas, Bishnupur, Shillong -4.
10. M/S. Shirup Supply Syndicate, G.S. Road, Shillong.
11. M/S. Aiban Nongkynrih Enterprise, Laitmynsaw, near Mattilang Park, Upper Shillong -9.
12. M/S. Friends Traders, Ri-Bhoi District, Nongpoh, Meghalaya-793102.
13. M/S. L. Morning Niangti, Iewduh, Shillong -2.
14. M/S. C. Kharmalki, Kharmalki, Malki, Shillong -1.
15. M/S. Dutta Brothers, Keating Road, Shillong -1.
16. M/S. Jennette Lytan, C/O. Phyrnai L. Nongbri, Lumdiengjri, Shillong -2.
17. M/S. S. Syiemiong, Lumkshaid Lower Mawprem, Shillong -2.
18. M/S. F. Syiemlieh, Mawlai Phudmuri, Shillong -8.
19. M/S. B.L. Enterprise, 119, Umpling, Shillong -6.
20. M/S. Myrthong Enterprise, Down Gate, Nongpoh.
21. M/S. Caroline Pala, Laban, Last Stop, Bishnupur, Shillong.
22. M/S. D. Lyngskor, Demthring, Shillong.
23. M/S. Annee Enterprise, Madan Laban, Shillong -4.
24. M/S. Kaybee Enterprise, 4<sup>th</sup>.½ Mile, Upper Shillong.
25. M/S. Ricky Nongrum Enterprise, Jaiaw Langsning, Shillong -2.
26. M/S. Micky Shabong, Lower Lumparing, Laban, Shillong-4.
27. M/S. Habamutlang Kharkongor, Mawkhaw, Main Road, Shillong -1.
28. M/S. B. Jyrwa, Lower Mawprem, Lumsohphoh, Shillong -2.
29. M/S. Delux Furniture, Kachari Road, Shillong -1.
30. M/S. Iba Enterprise, Middle Malki, Shillong -1.
31. M/S. Yogamaya Store, Keating Road, Shillong -1.
32. M/S. Aibori Snaitang, Sunny Hills, Shillong -2.
33. M/S. Carl Allison Enterprise, Jaiaw Lumsyntiew, Shillong -2.
34. M/S. Airom K. Passah Enterprise, Mawlai Nongmali, Shillong -8.
35. M/S. A.B. Sohtun, Lower Lumparing, Ranab, Shillong -4.
36. M/S. Bani Book Depot, Shoe Lane, Iewduh, Shillong -2.
37. M/S. Grace Enterprise, Gordon Road, Bhagyakul, Shillong -3.
38. M/S. Dawana Enterprise, Lumdiengjri, Shillong -2.
39. M/S. S. Marbaniang, Iewduh, G.S. Road, Shillong -2.
40. M/S. R.P. Kharupuri, Kharmalki, Malki, Shillong -1.
41. M/S. M. Marbaniang, Laitumkhras, Lower Lummawri, Shillong -3.
42. M/S. Dee Luck Enterprise, Mawkhaw, Shillong -1.
43. M/S. Kyrmen Enterprise, Mawlai Nongpdeng, Shillong -8.

44. M/S. S.K. Enterprise, Nongshiliang, Nongthymmai, Shillong -4.
45. M/S. Merimeker Syndicate, Malki, Shillong -I.
46. M/S. Hari Industries, G.S. Road, Shillong -I.
47. M/S. Mardy Enterprise, Lumsophoh, Lower Mawprem, Shillong -2.
48. M/S. Norbert Enterprise, Laban, Shillong -4.
49. M/S. P.C. Enterprise, 3<sup>rd</sup>. Floor, Juwan Complex, G.S.Road, Shillong -I.
50. M/S. Warjri Enterprise, Riatsamthiah, Shillong -I.
51. M/S. L. Dorphan, 5<sup>th</sup>. Mile, Upper Shillong.
52. M/S. Papa Enterprise, 1<sup>st</sup>. floor of Goenka Engg. Bldg., Keating Road.
53. M/S. Pabitra Paul, Umpling Bazar, Shillong -6.
54. M/S. R.A. Kharmalki, 4<sup>th</sup>. Mile, Upper Shillong.
55. M/S. Rita L. Mawlong, Lama Villa, Shillong- 2.
56. M/S. I. Nongsiej, Jaiaw Laitdom, Shillong -2.
57. M/S. P. Kharbhih, Mawtepieu, P.O. Lawbah, East Khasi Hills.
58. M/S. J. Marbanian, Wahingdoh, Block V, Shillong -I.
59. M/S. A. Nongkhaw, Upper Lumparing, (Lumsophoh), Shillong -4.
60. M/S. Deilang Enterprise, 5<sup>th</sup>. Mile, Upper Shillong.
61. M/S. Nircy Thangkhiew, Nongkse, 3<sup>rd</sup>. Mile, Upper Shillong.
62. M/S. Suklang Sohkhlet, Lower Mawprem, Dymmiew, Shillong -3.
63. M/S. S.L. Traders, 6, Synod Super Market, Mawkhaw, Shillong -2.
64. M/S. I.J. Enterprise, Mawlai Nongpdeng, Shillong-8.
65. M/S. H. Pakyntein, Qualapaty, Chapel Road, Shillong -2.
66. M/S. S.H. Shylla, Umsohsun, Motphran, G.S. Road, Shillong -2.
67. M/S. Carter Rynjah, Mawlai Phudmawri, Shillong -8.

The supply should be made from time to time and immediately on demand. The materials supplied should strictly conform to the quality as approved by the Government.

The Government reserve to themselves the right to cancel the supply at any time during the period of supply (contract), if the supply is found to be irregular, not punctual or the quality is not of the approved one. The Security Deposit of the Firm(s) may also be forfeited to the Govt. and the Firm(s) in question may be debarred from taking any Government supply(contract) in future.

SL. NO.	ITEMS	UNITS	RATES APPROVED
1.	Agarbati (Three-in-one)	Per Packet	Rs. 15/-
2.	Brasso (68 ml. - Reckit & Colman Ltd.	Per Tin	Rs. 46/-
3.	Bucket :- Plastic - (28 cms. dia) (Cello/Brite)	Each	Rs. 130/-
4.	Bamboo Broom (61 cms. long)	Each	Rs. 25/-
5.	Soap (O.K./Kranti)	Per Pkt.	Rs. 25/-
6.	<b>Cello Tape (fuji):-</b> (a) 19 mm.x 9 m. (b) 12 mm.x 9 m.	Each Each	Rs. 20/- Rs. 10/-
7.	<b>Clip file :-</b> (a) 36 x 25 cms. (Ambassador) (b) 36 x 25 cms. ( Commander)	Each Each	Rs. 50/- Rs. 45/-

8.	<b>Electric Bulb :-</b> (a) 0 Watts (Bajaj/Phillips) (b) 60 Watts ( - do - ) (c) 100 watts ( - do- )	Per Dozen Per Dozen Per Dozen	Rs. 156/- Rs. 144/- Rs. 156/-
9.	Flit oil (Baygon) - 1 Litre a tin	Per Tin	Rs. 230/-
10.	Flitgun (Plastic)	Each	Rs. 70/-
11.	Glass table pad (61 x 46 cms.) ½ cms. thickness	Per Dozen	Rs. 1800/-
12.	Invitation Cards with envelopes Ivory - (18 x 13 cms.)	Per 100 Nos.	Rs. 290/-
13.	Grass Broom (Superior quality) 61 cms. long	Each	Rs. 40/-
14.	Jharon (55 x 55 cms.)	Per Dozen	Rs. 180/-
15.	Mansion Polish (400 grams) Reckit & Colman Ltd. (Yellow)	Per Tin	Rs. 132/-
16.	<b>Nepthalene Ball :-</b> Big ball	Per Kg	Rs. 190/-
17.	Odonil Refil (cake) - 50 grams	Each	Rs. 22/-
18.	<b><u>Phenyle :-</u></b>		
	(a) Phenyle (Aeromax Perfume –200 ml.	Per Bottle	Rs. 55/-
	(b) Phenyle (Angelo Perfume) – 500 ml.	Per Bottle	Rs. 60/-
	(c) Phenyle (Black)	Per Gallon	Rs. 310/-
19.	Plastic Basin (38 cms. dia)	Each	Rs. 135/-
20.	Soap Case (Plastic) - (11 x 8.5 cms.)	Per Dozen	Rs. 300/-
21.	Slip pad No. 22 (Neelgagan)	Per Dozen	Rs. 180/-
22.	Torch Cell (Eveready) Big size No. 950	Per Dozen	Rs. 156/-
23.	<b><u>Pencil battery (Eveready) :-</u></b> (a) No. 915 (Blue) (b) No. 1015 (Red)	Per Dozen Per Dozen	Rs. 144/- Rs. 144/-
24.	Torch Light (2 big cells) - Silver Plated without battery (Eveready)	Each	Rs. 150/-
25.	Torch Bulb (Screw type) for torchlight of 2 (two) cells (big size)	Per Dozen	Rs. 84/-
26.	Table Brush (Standard size)	Per Dozen	Rs. 720/-
27.	Toilet paper (Swastex - 50 grams)	Per Roll	Rs. 35/-
28.	Toilet Soap (big size) Hamam/Lux/Rexona	Per Dozen	Rs. 180/-
29.	<b>Tumbler Glass :-</b> (a) Plain (Plus/ACP) (b) Special quality - 12 cms. height x 6 cms. dia)	Per Dozen Per Dozen	Rs. 210/- Rs. 600/-

30.	<b>Tube Light :-</b> (a) 40 watts (Bajaj/Phillips) (b) 20 watts ( - do -)	Per Dozen Per Dozen	Rs. 564/- Rs. 564/-
31.	Thapa (46 cms. dia)	Each	Rs. 95/-
32.	<b>Tumbler Pad Lock :-</b> (a) Navtal - 65 mm. (b) Nayyar - 38 mm. (c) Nayyar - 33 mm. (d) Nayyar - 27 mm.	Each Each Each Each	Rs. 390/- Rs. 65/- Rs. 50/- Rs. 40/-
33.	Vim Powder	Per kg.	Rs. 22/-
34.	Waste Paper basket (Plastic) - 23 cms. height x 24 cms. dia  (a) Ordinary (b) Paddle type with cover	Per Dozen  Per Dozen	Rs. 456/-  Rs. 4200/-
35.	Sanitary brush (Plastic) (big size)	Per Dozen	Rs. 720/-
36.	Scrubbing brush - 10 cms. long	Per Dozen	Rs. 72/-
37.	Sanifresh (500 Grams)	Per Container	Rs. 55/-
38.	Bleaching powder (500 grams)	Per Packet	Rs. 30/-
39.	Robin blue per 200 ml	Per Bottle	Rs. 28/-
40.	Room Freshener (Sandal Wood) 160 grams	Per Tube	Rs. 130/-
41.	Plastic mug	Each	Rs. 35/-
42.	(a) Conference file  (b) Stick File	Each  Each	Rs. 70/-  Rs. 25/-
43.	Glue Stick (Kores -- 15 grams)	Per Dozen	Rs. 384/-
44.	Hand towel:-  (a) Big  (b) Small	Each  Each	Rs. 190/-  Rs. 40/-
45.	Telephone lock BPL 3 in 1	Each	Rs. 60/-
46.	Guard File	Each	Rs. 45/-
47.	Flag Rope	Per Kg.	Rs. 180/-
48.	Dendrite	Per litre	Rs. 268/-
49.	Hessian Cloth	Per Metre	Rs. 30/-

50.	Plastic File Tray		
	(a) Delux	Each	Rs. 180/-
	(b) Ordinary	Each	Rs. 60/-
51.	Visiting Card (plastic/ivory)	Per 100 Nos.	Rs. 70/-
52.	Dettol (100 ML.)	Per bottle	Rs. 22/-
53.	Floor mopper	Each	Rs. 120/-
54.	Flower Vase (medium size) Brass	Each	Rs. 430/-

The rates approved are inclusive of all taxes etc. payable and free delivery at the site of the indenting office.

(F.J. Mairom),  
Deputy Secretary to the Government of Meghalaya,  
Secretariat Administration Department (Nazarat).

OFFICE OF THE SUPERINTENDENT OF POLICE ( FIRE & EMERGENCY SERVICE )  
MEGHALAYA :::: SHILLONG.  
Shillong, the 25<sup>th</sup> November/2009.

NOTICE INVITING TENDER

**No MFS/S-CX/2009-10/6666.**-Tenders are invited for entering into rate contract for fabrication of Tata Chassis Model SE 1613/TC 42.Cowl chassis into **Foam Tender** & **Water Tender Pump** during the year 2009-10 (*Under Modernization of Fire Service 2009-10*) The Sealed Tenders will be received upto **1100 Hrs. on 04.01.2010** and will be opened on the same day at 1200 Hrs. by a Tender Opening Committee in the office of the Superintendent of Police (F&ES), Meghalaya, Shillong. Tenderers or their authorized representatives are invited at the time of opening the Tenders. Tenders received after 1100 hrs by hand or by post will be summarily rejected.

**TERMS & CONDITIONS:-**

1. Tenders must be accompanied by the following: -
  - a. Non-refundable Court Fee Stamp of Rs. 1,000/-(Rupees One Thousand) only .
  - b. Earnest Money of Rs.1,00,000/-(Rupees One lakh) only pledged in favour of the Superintendent of Police, Meghalaya, Shillong from any Nationalized Bank or General Post Office at Shillong in any of the following form: -
    - (i) Crossed Bank Draft.
    - (ii) Deposit at Call.
    - (iii) Fixed Deposit.
    - (iv) NSC/KVPTenderers belonging to Schedule Castes and Scheduled Tribes may deposit 50% of the earnest money mentioned above.

**NOTE:** Earnest Money of the past tenders which is yet to be release by this office will not be considered for this instant tender.
  - (c)
    - (i) SC/ST Certificate.
    - (ii) Attested copy of V.A.T. Clearance Certificate & V.A.T. Registration Certificate with list of items registered therein.
    - (iii) Attested copy of Professional Tax Clearance Certificate.
    - (iv) Attested copy of recent passport size photograph of the tenderer.
    - (v) Financial Stability Certificate from Scheduled Bank duly attested.
    - (vi) Dealership Certificate from genuine fabricator of firefighting vehicles registered with N.S.I.C. or equivalent, all details including the past experience of the fabricator is also to be submitted by the tenderer.
    - (vii) In case the firm is intending to do the fabrication by themselves, the following documents should be furnish by the firm:-
      - a) Registration Certificate of the Firm's Workshop/Industry with the Director of Industries.
      - b) I.S.O. Certification of the Firm's Workshop/Industry.
      - c) Past experience details of fabrication of fire fighting vehicles in the workshop/industry.
      - d) Location, address and full detail of the Workshop/Industry.
    - (viii) Where the tenderer or his principal have any existing and valid rate contract with DGS & D, an authenticated copy of such rate contract should be furnished.
    - (ix) Tenderer who are required to obtain trading licence in terms of Khasi Hills, Jaintia Hills and Garo Hills Districts (Trading by Non-Tribal Regulation, 1954) as amended from time to time, must produce an attested copy of such valid licence.
2. Rates: -
  - a. Should be quoted in figure and in words.
  - b. Should be quoted F. O. R. destination i.e. Supdt. of Police, (F&ES), Meghalaya, Shillong. Provincial Stores (Fire Service), Nongthymmai, Shillong or as directed by the Department.
  - c. Should be inclusive of all charges, insurance and other incidental charges, only Local Tax may be shown extra, if applicable.
  - d. Should be written clearly in figures and in words. Any alteration or overwriting must be fully signed and sealed by the tenderer himself/herself.



3. An undertaking should be submitted by the tenderer before opening of the sealed tender stating that he/she is satisfied with the terms & condition of the N.I.T. and agree to abide by the same. In case of failure to submit the undertaking, the sealed tender of the particular firm will not be opened and will be returned back accordingly.
4. The rate should be tendered for the complete item of work including all accessories, equipments as per specifications at Annexure 'A' & 'B'.
5. The tenderer or their representatives/agents must be present during the tender opening alongwith their firm's seal and authority letter in case of representatives/agents. Whatever objection is to be raised should be done during the Tender Opening Proceeding. Raising objection after the completion of tender opening proceeding will be treated as null & void and the undersigned is not bound to entertain such objections.
6. If at the time of opening of tender, should there be any objection raised by the majority of the tenderer/representatives present as to validity of the tender, the objection will be duly examined by the Tender Opening Committee whose decision on such objection will be final and binding and tenderer will have no right to raise objection on the decision of the Tender Opening Committee.
7. Tenders must be addressed to the undersigned by designation and not by name. On the sealed envelope containing the tender, the words "Tender for Fabrication of Fire Fighting Vehicles/Appliances" should be superscribed and the firm's seal should be stamped on the body of envelop.
8. Tenders must be sent by registered cover or hand delivered.
9. Tenders without furnishing all the required papers/documents will automatically stands rejected.
10. Risk of transportation of the fire fighting vehicles/appliances will be borne by the tenderer themselves after fabrication.
11. Tenderers must be prepared to accept item-wise rate, if offered by the department, otherwise their earnest money will be forfeited.
12. The successful tenderer/tenderers will: -
  - i) be intimated by a letter of acceptance by the office of the Supdt. of Police (F&ES), Meghalaya, Shillong. Till then, no tenderer has any right to assume that his/her tender has been accepted. There shall be no claim whatsoever for compensation for any expenditure incurred by any tenderer in anticipation of acceptance letter.
  - ii) have to submit Proforma Bill as and when called for and should comply with the requisition at any cost. Failing to comply with any of the demand/requisition made by the undersigned will invite forfeit of Earnest Money.
  - (ii) be required to furnish a security deposit as per rates mentioned below and execute a contract agreement to ensure fulfillment of the terms and conditions of the contract which the successful tenderer (s) will have to enter into. Such security deposit will be subjected to forfeiture in case of non-fulfilment of any or all terms and conditions of the Contract Agreement and the N.I.T.
  - (iii) The earnest money of the successful tenderer (s) will not be released till he/she has furnished the full security deposit.
  - (iv) Earnest Money of the successful tenderer (s) will be forfeited to the Government in case of failure to furnish the security deposit in full.
  - (v) Rate of security deposit is 10% of the work value for all.
  - (vi) Furnish an Indemnity Bond on appropriate stamp paper and a comprehensive insurance cover for the entire cost and safe custody of the chassis until fire appliances are fabricated and delivered to the department.
  - (vii) Receipt of the chassis by the fabricator at the fabrication site should be intimated to the undersigned immediately and without any undue delay.
  - (viii) Furnish a Guarantee against defective materials or inadequate design or workmanship for a period of eighteen months from the date of delivery of fabricated vehicles.
  - (ix) Security Deposit shall be released only after expiry of the guarantee period.

- (x) Once the rates offered in the tender are accepted, no enhancement of rates will be allowed under any circumstances and the tenderer (s) will be liable to fabricate at the rates accepted by the Supdt. of Police, (F&ES), Meghalaya, Shillong. Failure to fabricate at the accepted rates will entail the offer being cancelled and the security money forfeited to the Government of Meghalaya.
13. Fabrication must be of the same specifications and quality as offered in the tender.
  14. Delivery must be completed within Ninety days from the receipt of the firm order and chassis. No extension of delivery period will be entertained.
  15. Payment will be made to the successful tenderer/tenderers directly only on the completion of fabrication and on full and correct receipt of the vehicles by the department in good working conditions. Documents / Vouchers / RR Bills etc routed through Banks will not be accepted.
  16. In the event of the successful tenderer/tenderers failing to perform his/her part of the Contract to the satisfaction of the department or disregarding any terms and conditions of this tender notice or the Contract agreement, the successful tenderer/tenderers will be liable to any or all of the following actions at the discretion of the Supdt. of Police, (F&ES), Meghalaya, Shillong.
    - (i) Forfeiture of the security deposit.
    - (ii) Making good the loss caused to the Government through the liabilities, neglect or delay in complying with the demand.
    - (iii) Cancellation of the contract without any prior notice.
  17. All losses sustained by the Department/Government due to failure, omission or neglect of the successful tenderer (s) will be realized from his or her security deposit and if the recovery from the security deposit is not sufficient the successful tenderers shall be liable to pay the compensation as shall be fixed by the Department/Government accordingly.
  18. In the event of rejection, failing, declining, neglecting or delaying to comply with any demand or requisition, the undersigned shall be at liberty, without prejudice to any other remedy the department may have on account of any claim for compensation against loss and inconvenience caused by such breach, to order purchase at the expense of the successful tenderer (s) such supply as may have been rejected, or failed, neglected or delayed to supply or any excess cost incurred over the accepted rates. The successful tenderer (s) shall be liable to pay such compensation to the Government in full.
  19. The undersigned may rescind forthwith the contract in writing if successful tenderer/tenderers: -
    - (i) assigns or sublets the contract without his approval in respect of the contract or any other contract entered into with the Government.
    - (ii) his agent or servant are guilty of fraud in respect of this contract or any other contract with the Department or Government.
    - (iii) declines, neglects or delays to comply with the demand or requisition or in any other way fails to perform and/or observe any condition of the contract.
  16. Chassis will be released by this department through Tata Motor from the nearest Sale Centre to the successful tenderer/tenderers fabrication site.
  17. The undersigned reserves to himself the right to reject any or all tenders without notice nor assigning any reasons thereof.
  18. The acceptance or rejection of the tender rest finally with the undersigned and reserves the right of rejecting any tender or any item in the tender without assigning any reason thereof.
  19. The Authority is not bound to accept the lowest tendered rates.

D. D. SANGMA,  
Superintendent of Police, (F&ES),  
Meghalaya, Shillong.

Enclo: "Annexure "A" & "B".

NOTICE INVITING TENDER.

Tenders are invited for Fabrication of Foam Tender & Emergency Rescue Tender for Meghalaya Fire & Emergency Service during the financial year 2009-10.(under Modernization of Fire Service 2009-10) Sealed tender(s) will be received up to 1100 hours on 04.01.2010 in the office of the undersigned and will be opened on the same day at 1200 hours. Complete details will be available in the Office of the Superintendent of Police, (F&ES), Meghalaya, Shillong, during office hours.

Superintendent of Police, (F&ES),  
Meghalaya, Shillong.

Visit us at: [www.meghpol.nic.in](http://www.meghpol.nic.in).

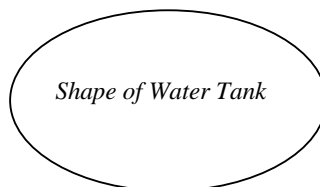
**ANNEXURE – ‘A’****Specification of Foam Tender Pump as per (IS-10460 / 1983).**

GENERAL: - The Vehicle consists of Foam Tender with a rear mounted Fire Pump of 2200 litres per minute capacity at 7 Kg/cm<sup>2</sup> (484 G.P.M. at 100 Psi) alongwith other equipments.

CHASSIS: - The Chassis will be supplied by the department.

WATER TANK: -

1. The Water Tank shall have an elliptical shape as shown below with a capacity of: -
  - a) 4600 (Four thousand Six Hundred) litres to be fabricated on TATA Chassis Model SE/1613/42 Cowl Chassis with 697 BSII Engine GBS 40 Gear Box 7 (seven) tyres etc.



2. The Water tank should be suitably mounted on at a safe place and also at such a place so as to allow the full contents of the tank into the pump.
3. It should be suitably baffled and its shape and mounting shall be so as to bring the center of gravity as low as conveniently possible.
4. It should be fitted with an inspection manhole of 45 cm. and cover on top and cleaning hole of 25 cm. in dia with a cover at the base.
5. It should have proper filling and over flow pipe which shall not be less than 50 mm in dia which shall terminate in an accessible position under the appliance and be fitted with delivery hose connection of 63 mm dia. (instantaneous) to permit the coupling of a length of hose when required to carry away surplus water. The filling pipe shall have proper strainer and delivery hose connection.
6. All pipes shall be reasonably accessible for maintenance purpose.
7. A draining cock shall be provided at the bottom of the tank. It shall be fitted and placed at such a place for trouble free easy operation.
8. The water tank shall be fabricated with 3 (three) mm dia. mild steel sheet, including baffle.
9. The tank should be connected with a pump, and a suitably placed center control valve be fitted in such a way that any of the following operation are possible.
  - a. Hydrant to Tank.
  - b. Tank to pump
  - c. Hydrant to pump
  - d. Off.Both sides of the roof near the Water Tank should be covered by chequered alluminium sheet of 10 gauge.
10. Two hooking arrangement one in front and the other in the rear of the top of the water tank should be provided on the tank to lift it out of the chassis whenever required for repairs etc.

FOAM TANK:-

- (1). Foam Compound Tank of 550 liters capacity elliptical shape as shown above at Sl. 1(a). Preferably of stainless steel with filling orifice not less than 150 mm dia. with a removable strainer.

FOAM MONITOR:-

1. Monitors shall be mounted on the top of the appliances in such a manner that it can be operated by the member of a crew, from the drivers cabin and it should be capable of rotating through 360 degree and elevations of 45 degree.

2. Aggregate foam discharge should not be less than 17600 LPM at the pressure of 7 Kg/cm<sup>2</sup> for a distance of 35 mtrs.

PUMP: -

1. The Pump shall be of centrifugal type capable of delivering 2200 LPM at 7Kg/cm<sup>2</sup> /100 Psi pressure and so designed as to afford easy access to the impeller.
2. It should be of double stage and as light as possible.
3. The Pump shaft shall be made of stainless steel and shall be carried in antifriction bearings external of the casing.
4. The impeller rings shall be removable type and manufactured from high quality bronze.
5. The gland shall be self-adjustable type.
6. A drain plug shall be provided.
7. The suction inlet shall be provided with a standard 100 mm suction hose connection with internal strainer and blank cap.
8. The strainer shall be readily removable, but retained firmly in the position when in use.
9. There shall be not less than two delivery valves having 63 mm instantaneous female couplings with quick release check valves with a standard hose connection.
10. Pump side works should be finished by Alluminium sheets.

PRIMER: -

A reciprocating two stage type of primer capable of lifting water at the rate of one feet per second from a depth of 24 feet having positive displacement twin position air pump shall be provided.

POWER TAKE OFF: -

Full torque drive link take off shall be provided to ensure high efficiency. SYALL/TATA make P.T.O. to be provided.

COOLING SYSTEM: -

It shall be indirect open circuit type through a heat exchanger coil.

CONTROL PANEL: -

Apart from the driver's dashboard control panel there should be an illuminated control panel near the delivery and suction side of the pump. The following shall be provided.

- a. Throttle control
- b. Compound gauge – vacuum 0.75 cm.
- c. Primer control
- d. Five way control valve.
- e. Pressure gauge (pressure calibrated from 0 to 17.5 Kg per cm<sup>2</sup>/ 0 to 250 Psi)
- f. Water level indicator
- g. A bell push for a bell in the driver's cabin.
- h. A bell in the driver's cabin.

TOWING : -

Towing arrangement at the rear shall be provided for towing Trailer Pump.

ARRANGEMENT

Drag Hooks on the front of the vehicle to tow or pull heavy objects by the vehicle.

BODY WORKS: -

1. Double cab to seat 7 (seven) men including driver shall be provided.
2. Driver's seat shall be adjustable while the others shall be fixed.
3. A tool kit compartment shall be provided under the rear seat of the crew.
4. All seats should be provided with foam rubber cushion and covered with best quality rexin.
5. Body frame should be made of M.S. Angles and flats anti rust treated and painted with anti rust paint, and alluminium of 20 gauge thickness paneling with insulation for sealing noise shall be provided on the inside of the driver's cabin.
6. Cab doors should have safety glasses.
7. Chromium plated grab rails and non-slip steps to be provided where necessary.
8. Provision of 2 (two) steps to enter into the cabin should be made and one hanging rail with six holders should be provided inside the cabin.
9. There shall be lighting arrangement in the cabin.
10. The entire floor of the driver's cabin should be covered by a 14 gauge chequered alluminium sheet.
11. The outside of the driver's cabin including the doors on each side shall be covered/provided with 18 gauge aluminium sheet.

LOCKERS: -

1. 4 (four) lockers, 2 (two) on each side of the body shall be provided for storage of the fire fighting equipments. The size of the lockers should be as follows: -

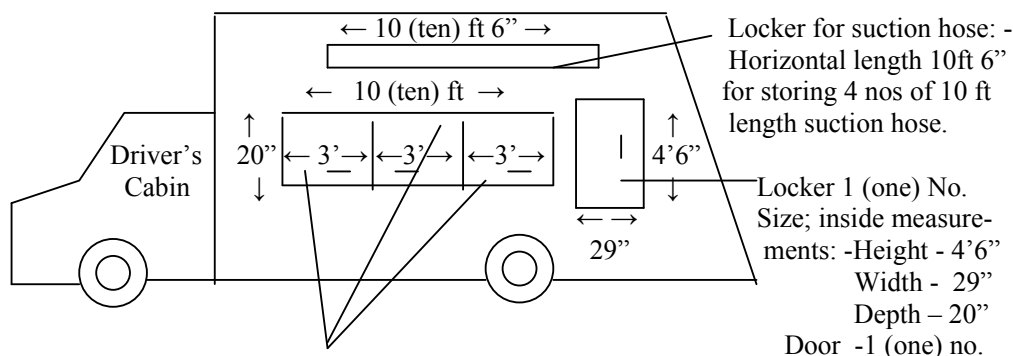
- ii) On TATA Chassis SE/1613/42 Cowl Chassis with 697 BSII Engine GBS 40 Gear Box 7 (seven) tyres etc. 4600 ltrs capacity, inside measurements:
- |                   |                        |
|-------------------|------------------------|
| Horizontal length | -- 10 (ten) feet       |
| Height            | -- 20 (twenty) inches. |
| Depth             | -- -do-                |

Each locker should be provided with 3 (three) doors of equal sizes. There shall be no partition inside the locker.

- iii) The other 2 (two) lockers on either side of the body should be of 4'6" in height, width 20" and Depth 20".

- iv) Two separate storage lockers for storing of 4 (four) lengths of 10 feet length suction hose on top of the three lockers on either side with access from the rear of the tanker. The floor of the storage locker should be fitted with rollers so that the suction hose can be easily taken out or placed inside.

The position of the lockers on the tanker is as shown in the diagram below:-



2 (two) lockers on each side of 10' length horizontally for 4600 litres capacity tanker. 3 Doors to open from bottom up. Each door size width- 3 ft, height 20", Depth 20". 1 (one) collapsible bracket to hold up the door to be fitted in each of the 3 doors. There shall be no partition in the lockers.

#### Side View of the Tanker

- The floor of all the lockers should be with 14 gauge aluminium chequered sheet.
- Locker doors shall be fitted with good spring loaded lock.
- Lighting arrangements shall be provided in the lockers along with indicator lights at driver's panel to indicate proper locking of doors. A master switch for isolating the lighting circuit shall be provided. The proper locking arrangement is also to be made on the fuel tank.

**LADDER GALLOWS:-** To be provided to carry 10.5 metres alluminium extension ladder. The ladder is also to be supplied with the appliance.

**AND EXTENSION LADDER**

**WORKMANSHIP:-** All parts of the appliance shall be of good workmanship and finish. Railing and handles etc., shall be of chromium plating. The appliance shall be painted in Fire Red Post Office Colour with service letters on both sides of "MEGHALAYA FIRE & EMERGENCY SERVICES".

**TOOL AND:-**  
**EQUIPMENTS**

Equipments:

The following shall be supplied with the fire appliance:

- |  |   |           |
|--|---|-----------|
| a) Suction Hose 4" dia X 10 ft. length | - | 4 lengths |
| fitted with threaded couplings.        |   |           |
| b) Metal strainer                      | - | 1 No.     |
| c) Basket strainer                     | - | 1 No.     |

d) Suction wrench - 1 pair.

Tool Box with Tools for

running repairs:

a) D.E. spanners, 6mm to 26mm	-	1 (one) set of 12 pieces
b) Screw drivers 12"	-	1 No.
c) Combination pliers 8"	-	1 No.
d) Slide wrench 12"	-	1 No.

ACCESSORIES: - The following shall be supplied / fitted suitably in the appliance over and above the item mentioned herein above:

a) Fire Bell (250 mm) fitted in the side of the drivers cab.	-	1No.
b) Electric siren (Heavy Duty 'KHERAJ' MAKE) .	-	1 No.
c) Powerful fog lamps fitted with 55 watts Halogen bulbs.	-	2 Nos.
d) Powerful reversing light with 25 watts Halogen bulb.	-	1 No.
e) Revolving amber coloured blinker lights (like VIP lights) mounted on each side on top of the driver's cabin.	-	2 Nos.
f) Inspection lamp	-	1 No.
g) P. A. System in Driver's Cabin	-	1 No.

INSTRUCTION: - An Instruction Book containing both operating and maintenance procedure shall be supplied. Full-illustrated spare parts catalogue for the pump shall also be supplied with the unit.

MARKING:-

The appliances shall be marked as follows:-

a). Manufactures Name or Trade Mark.
b). Capacity of Pump in LPM, capacity of Water Tank & Foam Tank in liters.
c). Year of manufactures.

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**ANNEXURE – ‘B’****Specification of Water Tender Pump Type ‘B’ as per (IS-950 / 1980).**

GENERAL: - The Vehicle consists of water tender with a rear mounted Fire Pump of 1800 liters per minute capacity at 7 Kg/cm<sup>2</sup> (400 G.P.M. at 100 Psi) alongwith other equipments.

CHASSIS: - The Chassis will be supplied by the department.

WATER TANK: -

1. The Water Tank shall have an elliptical shape with a capacity of: -
  - a) 6000 litres to be fabricated on 1 (one) No TATA Chassis Model SE1613 TC/42 Cowl chassis.
2. The Water Tank should be suitably mounted on at a safe place and also at such a place so as to allow the full contents of the tank into the pump.
3. It should be suitably baffled with 3 (three) nos. of Baffling plates and its shape and mounting shall be so as to bring the center of gravity as low as conveniently possible.
4. It should be fitted with an inspection manhole and cover on top and cleaning hole of 25 mm in dia with a cover at the base.
5. It should have proper filling and over flow pipe which shall not be less than 50 mm in dia which shall terminate in an accessible position under the appliance and be fitted with delivery hose connection of 63 mm dia to permit the coupling of a length of hose when required to carry away surplus water. The filling pipe shall have proper strainer and delivery hose connection.
6. All pipes shall be reasonably accessible for maintenance purpose.
7. A draining cock shall be provided at the bottom of the tank. It shall be fitted and placed at such a place for trouble free easy operation.
8. The water tank shall be fabricated with mild steel plate. The thickness of the plate for the entire water tank, including baffle, shall not be less than 10 gauge.
9. The tank should be connected with a pump, and a suitably placed center control valve be fitted in such a way that any of the following operation are possible.
  - a. Hydrant to Tank.
  - b. Tank to pump
  - c. Hydrant to pump
  - d. Off.

Both sides of the roof near the Water Tank should be covered by chequered alluminium sheet of 10 gauge.

10. Two hooking arrangement one in front and the other in the rear of the top of the water tank should be provided on the tank to lift it out of the chassis whenever required for repairs etc.

PUMP: -

1. The Pump shall be of centrifugal type capable of delivering 1800 LPM at 7Kg/cm<sup>2</sup> /100 Psi pressure and so designed as to afford easy access to the impeller.
2. It should be of double stage and as light as possible.
3. The Pump shaft shall be made of stainless steel and shall be carried in antifriction bearings external of the casing.
4. The impeller rings shall be removable type and manufactured from high quality bronze.
5. The gland shall be self-adjustable type.
6. A drain plug shall be provided.



7. The suction inlet shall be provided with a standard 100 mm suction hose connection with internal strainer and blank cap.
8. The strainer shall be readily removable, but retained firmly in the position when in use.
9. There shall be not less than two delivery valves having 63 mm instantaneous female couplings with quick release check valves with a standard hose connection.
10. Pump side works should be finished by Alluminium chequered sheets.

**PRIMER: -** A reciprocating double stage primer capable of lifting water at the rate of one feet per second from a depth of 24 feet having positive displacement twin position air pump shall be provided.

**POWER TAKE OFF: -** Full torque drive link take off shall be provided to ensure high efficiency. TATA make P.T.O. to be provided.

**COOLING SYSTEM: -** It shall be indirect open circuit type through a heat exchanger coil.

**CONTROL PANEL: -** Apart from the driver's dashboard control panel there should be an illuminated control panel near the delivery and suction side of the pump. The following shall be provided.

- a. Throttle control
- b. Compound gauge – vacuum 0.75 cm.
- c. Primer control
- d. Five way control valve.
- e. Pressure gauge (pressure calibrated from 0 to 17.5 Kg per cm<sup>2</sup>/ 0 to 250 Psi)
- f. Water level indicator
- g. A bell push for a bell in the driver's cabin.
- h. A bell in the driver's cabin.
- i. A multi purpose Monitor facility on the top.

**TOWING ARRANGEMENT : -** Towing arrangement at the rear shall be provided for towing Trailer Pump. Drag Hooks on the front of the vehicle to tow or pull heavy objects by the vehicle.

**BODY WORKS: -**

1. Cabin should have 2 (two) line seating capacity i.e.1 (one) fixed seat, for incharge 1 (one) adjustable seat for Driver. and another long seat for 6 (six) person. Seats should be provided with rubber foam cushion and covered with best quality rexin.
2. Body frame shall be made of MS angles properly painted with anti-rust paint and flats with aluminum 20 gauge paneling with insulation for ceiling noise.
3. Cab door should have safety glasses. Grab rails and non-slip steps to be provided where necessary. Provision of steps as required to enter into the cabin should be made and one hanging rail with three holders should be provided inside the cabin. There shall be lighting arrangements in cabin.
4. Wind shield glass with Iron netting

**LOCKERS: -**

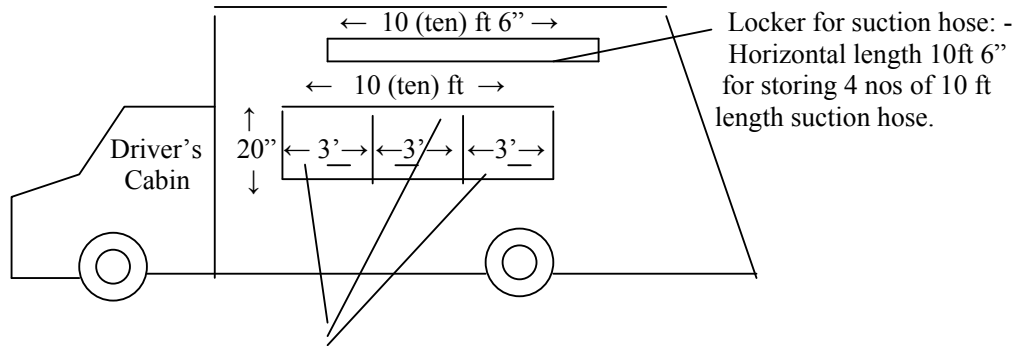
1. 2 (two) lockers, 1 (one) on each side of the body shall be provided for storage of the fire fighting equipments. The size of the lockers should be as follows: -
  - i) On TATA Chassis SE/1613/TC 42 Cowl Chassis, 6000 ltrs capacity, inside measurements:
 

Horizontal length	-- 10 (ten) feet
Height	-- 20 (twenty) inches.
Depth	-- 20 (twenty) inches.

Each locker should be provided with 3 (three) doors of equal sizes. There shall be no partition inside this locker.

- ii) Two separate storage lockers for storing of 4 (four) lengths of 10 feet length suction hose on top of the three lockers on either side with access from the rear of the tanker. The floor of the storage locker should be fitted with rollers so that the suction hose can be easily taken out or placed inside.

The position of the lockers on the tanker is as shown in the diagram below:



2 (two) lockers, on each side of 9' length horizontally for 6000 litres tanker and 20" height for tankers. 3 Doors to open from bottom up. Each door size width- 3 ft, height 20". 1 (one) collapsible bracket to hold up the door to be fitted in each of the 3 doors. There shall be no partition in the lockers.

#### Side View of the Tanker

- The floor of all the lockers should be with 14 gauge aluminium chequered sheet.
- The partition between the lockers and the water tank should be of 1 (one) mm gauge 1" wire netting.
- Locker doors shall be of Shutter system and internal lining of the lockers should be of thermos etc..
- Lighting arrangements shall be provided in the lockers along with indicator lights at driver's panel to indicate proper locking of doors. A master switch for isolating the lighting circuit shall be provided. The proper locking arrangement is also to be made on the fuel tank.

**MULTI-PURPOSE MONITOR:-**A Multi-Purpose monitor made of Light Alloy duly treated for anticorrosion shall be mounted on the top deck of the fire tender in such a manner that it can be manually operated by a single crew member in an emergency. The monitor should be capable of traversing through 360° in a horizontal plane, and elevating from horizontal to 45°. and depressing from horizontal to not less than 15 deg. The monitor shall be of self aspirating type with a flow rate of at least 2200 lpm of water at 7 kg/cm<sup>2</sup>. Nozzle also should be light alloy automatic type duly hard anodized having jet/spray arrangement. It shall have an expansion ratio of not less than 8 using foam compound conforming to IS: 4989. The monitor shall be capable of projecting the discharge to an effective distance of not less than 35 to 40 mtrs. A connection for using the auxiliary foam compound pick-up tube shall be provided to enable the foam compound to be induced into the pump direct from the foam drums. A pick-up tube with strainer shall be supplied for this purpose.

LADDER GALLOWS:- To be provided at the centre to carry 10.5 meters Trussed Type aluminum extension ladder. The ladder is also to be supplied with the appliance.  
AND EXTENSION  
LADDER

WORKMANSHIP: - All parts of the appliance shall be of good workmanship and finish. Railing and handles etc., shall be of chromium plating. The appliance shall be painted in Fire Red Post Office Colour with service letters on both sides of "MEGHALAYA FIRE & EMERGENCY SERVICE".

TOOL AND: -  
EQUIPMENTS

The following shall be supplied with the fire appliance:

Equipments:	a) Suction Hose 4" dia X 10 ft. length	-	3 lengths
	fitted with threaded couplings.		
	b) Metal strainer	-	1 No.
	c) Basket strainer	-	1 No.
	d) Suction wrench	-	1 pair.
Tools for running repairs:	a) D.E. spanners, 6mm to 26mm	-	1 (one) set of 12 pieces
	b) Screw drivers 12"	-	1 No.
	c) Combination pliers 8"	-	1 No.
	d) Slide wrench 12"	-	1 No.

ACCESSORIES: - The following shall be supplied / fitted suitably in the appliance over and above the item mentioned herein above:

a) Fire Bell (250 mm) fitted in the side of the drivers cab.	-	1No.
b) Electric siren (Heavy Duty 'KHERAJ' MAKE) .	-	1 No.
c) Powerful fog lamps fitted with 55 watts Halogen bulbs.	-	2 Nos.
d) Powerful reversing light with 25 watts Halogen bulb.	-	1 No.
e) Revolving amber coloured blinker lights (like VIP lights) mounted on each side on top of the driver's cabin.	-	2 Nos.
f) Inspection lamp	-	1 No.
g) Portable powerful spot light/search light with extension cord of 30 mtr. length and plug at one end.	-	1 No.
h) Plug socket for the portable spot light.	-	1 No.

INSTRUCTION: - An Instruction Book containing both operating and maintenance procedure shall be supplied. Full-illustrated spare parts catalogue for the pump shall also be supplied with the unit.  
BOOK

\*\*\*\*\*

OFFICE OF THE SUPERINTENDENT OF POLICE ( FIRE & EMERGENCY SERVICE )  
MEGHALAYA :::: SHILLONG.

Shillong, the 25<sup>th</sup> November/2009.

**NOTICE INVITING TENDER**

**No MFS/A-35/2009-10/6678.**-Tenders are invited for entering into rate contract for fabrication of Tata Chassis Model SE 1613/TC 42.Cowl chassis into **Water Tender Pump**, Model SFC 709 Cowl Chassis into **Mini Water Tender Pump** & Tata Chassis Model 1212 Cowl Chassis into **Water Tanker** during the year 2009-10 (*Under State Plan 2009-10*) The Sealed Tenders will be received upto **1100 Hrs. on 04.01.2010** and will be opened on the same day at 1200 Hrs. by a Tender Opening Committee in the office of the Superintendent of Police (F&ES), Meghalaya, Shillong. Tenderers or their authorized representatives are invited at the time of opening the Tenders. Tenders received after 1100 hrs by hand or by post will be summarily rejected.

**TERMS & CONDITIONS:-**

1. Tenders must be accompanied by the following: -
  - a. Non-refundable Court Fee Stamp of Rs. 1,000/-(Rupees One Thousand) only .
  - b. Earnest Money of Rs.1,60,000/-(Rupees One lakh sixty thousand)only pledged in favour of the Superintendent of Police, Meghalaya, Shillong from any Nationalized Bank or General Post Office at Shillong in any of the following form: -
    - (i) Crossed Bank Draft.
    - (ii) Deposit at Call.
    - (iii) Fixed Deposit.
    - (iv) NSC/KVPTenderers belonging to Schedule Castes and Scheduled Tribes may deposit 50% of the earnest money mentioned above.

**NOTE:** Earnest Money of the past tenders which is yet to be release by this office will not be considered for this instant tender.
  - (c)
    - (i) SC/ST Certificate.
    - (ii) Attested copy of V.A.T. Clearance Certificate & V.A.T. Registration Certificate with list of items registered therein.
    - (iii) Attested copy of Professional Tax Clearance Certificate.
    - (iv) Attested copy of recent passport size photograph of the tenderer.
    - (v) Financial Stability Certificate from Scheduled Bank duly attested.
    - (vi) Dealership Certificate from genuine fabricator of firefighting vehicles registered with N.S.I.C. or equivalent, all details including the past experience of the fabricator is also to be submitted by the tenderer.
    - (vii) In case the firm is intending to do the fabrication by themselves, the following documents should be furnish by the firm:-
      - a) Registration Certificate of the Firm's Workshop/Industry with the Director of Industries.
      - b) I.S.O. Certification of the Firm's Workshop/Industry.
      - c) Past experience details of fabrication of fire fighting vehicles in the workshop/industry.
      - d) Location, address and full detail of the Workshop/Industry.
    - (viii) Where the tenderer or his principal have any existing and valid rate contract with DGS & D, an authenticated copy of such rate contract should be furnished.
    - (ix) Tenderer who are required to obtain trading licence in terms of Khasi Hills, Jaintia Hills and Garo Hills Districts (Trading by Non-Tribal Regulation, 1954) as amended from time to time, must produce an attested copy of such valid licence.

2. Rates: -
  - a. Should be quoted in figure and in words.
  - b. Should be quoted F. O. R. destination i.e. Supdt. of Police, (F&ES), Meghalaya, Shillong. Provincial Stores (Fire Service), Nongthymmai, Shillong or as directed by the Department.
  - c. Should be inclusive of all charges, insurance and other incidental charges, only Local Tax may be shown extra, if applicable.
  - d. Should be written clearly in figures and in words. Any alteration or overwriting must be fully signed and sealed by the tenderer himself/herself.
3. An undertaking should be submitted by the tenderer before opening of the sealed tender stating that he/she is satisfied with the terms & condition of the N.I.T. and agree to abide by the same. In case of failure to submit the undertaking, the sealed tender of the particular firm will not be opened and will be returned back accordingly.
4. The rate should be tendered for the complete item of work including all accessories, equipments as per specifications at Annexure 'A' 'B' & 'C'.
5. The tenderer or their representatives/agents must be present during the tender opening alongwith their firm's seal and authority letter in case of representatives/agents. Whatever objection is to be raised should be done during the Tender Opening Proceeding. Raising objection after the completion of tender opening proceeding will be treated as null & void and the undersigned is not bound to entertain such objections.
6. If at the time of opening of tender, should there be any objection raised by the majority of the tenderer/representatives present as to validity of the tender, the objection will be duly examined by the Tender Opening Committee whose decision on such objection will be final and binding and tenderer will have no right to raise objection on the decision of the Tender Opening Committee.
7. Tenders must be addressed to the undersigned by designation and not by name. On the sealed envelope containing the tender, the words "Tender for Fabrication of Fire Fighting Vehicles/Appliances" should be superscribed and the firm's seal should be stamped on the body of envelop.
8. Tenders must be sent by registered cover or hand delivered.
9. Tenders without furnishing all the required papers/documents will automatically stands rejected.
10. Risk of transportation of the fire fighting vehicles/appliances will be borne by the tenderer themselves after fabrication.
11. Tenderers must be prepared to accept item-wise rate, if offered by the department, otherwise their earnest money will be forfeited.
12. The successful tenderer/tenderers will: -
  - i) be intimated by a letter of acceptance by the office of the Supdt. of Police (F&ES), Meghalaya, Shillong. Till then, no tenderer has any right to assume that his/her tender has been accepted. There shall be no claim whatsoever for compensation for any expenditure incurred by any tenderer in anticipation of acceptance letter.
  - ii) have to submit Proforma Bill as and when called for and should comply with the requisition at any cost. Failing to comply with any of the demand/requisition made by the undersigned will invite forfeit of Earnest Money.
  - (ii) be required to furnish a security deposit as per rates mentioned below and execute a contract agreement to ensure fulfillment of the terms and conditions of the contract which the successful tenderer (s) will have to enter into. Such security deposit will be subjected to forfeiture in case of non-fulfilment of any or all terms and conditions of the Contract Agreement and the N.I.T.
  - (iii) The earnest money of the successful tenderer (s) will not be released till he/she has furnished the full security deposit.
  - (iv) Earnest Money of the successful tenderer (s) will be forfeited to the Government in case of failure to furnish the security deposit in full.

- (v) Rate of security deposit is 10% of the work value for all.
  - (vi) Furnish an Indemnity Bond on appropriate stamp paper and a comprehensive insurance cover for the entire cost and safe custody of the chassis until fire appliances are fabricated and delivered to the department.
  - (vii) Receipt of the chassis by the fabricator at the fabrication site should be intimated to the undersigned immediately and without any undue delay.
  - (viii) Furnish a Guarantee against defective materials or inadequate design or workmanship for a period of eighteen months from the date of delivery of fabricated vehicles.
  - (ix) Security Deposit shall be released only after expiry of the guarantee period.
  - (x) Once the rates offered in the tender are accepted, no enhancement of rates will be allowed under any circumstances and the tenderer (s) will be liable to fabricate at the rates accepted by the Supdt. of Police, (F&ES), Meghalaya, Shillong. Failure to fabricate at the accepted rates will entail the offer being cancelled and the security money forfeited to the Government of Meghalaya.
13. Fabrication must be of the same specifications and quality as offered in the tender.
14. Delivery must be completed within Ninety days from the receipt of the firm order and chassis. No extension of delivery period will be entertained.
15. Payment will be made to the successful tenderer/tenderers directly only on the completion of fabrication and on full and correct receipt of the vehicles by the department in good working conditions. Documents / Vouchers / RR Bills etc routed through Banks will not be accepted.
16. In the event of the successful tenderer/tenderers failing to perform his/her part of the Contract to the satisfaction of the department or disregarding any terms and conditions of this tender notice or the Contract agreement, the successful tenderer/tenderers will be liable to any or all of the following actions at the discretion of the Supdt. of Police, (F&ES), Meghalaya, Shillong.
- (i) Forfeiture of the security deposit.
  - (ii) Making good the loss caused to the Government through the liabilities, neglect or delay in complying with the demand.
  - (iii) Cancellation of the contract without any prior notice.
17. All losses sustained by the Department/Government due to failure, omission or neglect of the successful tenderer (s) will be realized from his or her security deposit and if the recovery from the security deposit is not sufficient the successful tenderers shall be liable to pay the compensation as shall be fixed by the Department/Government accordingly.
18. In the event of rejection, failing, declining, neglecting or delaying to comply with any demand or requisition, the undersigned shall be at liberty, without prejudice to any other remedy the department may have on account of any claim for compensation against loss and inconvenience caused by such breach, to order purchase at the expense of the successful tenderer (s) such supply as may have been rejected, or failed, neglected or delayed to supply or any excess cost incurred over the accepted rates. The successful tenderer (s) shall be liable to pay such compensation to the Government in full.
19. The undersigned may rescind forthwith the contract in writing if successful tenderer/tenderers: -
- (i) assigns or sublets the contract without his approval in respect of the contract or any other contract entered into with the Government.
  - (ii) his agent or servant are guilty of fraud in respect of this contract or any other contract with the Department or Government.
  - (iii) declines, neglects or delays to comply with the demand or requisition or in any other way fails to perform and/or observe any condition of the contract.
16. Chassis will be released by this department through Tata Motor from the nearest Sale Centre to the successful tenderer/tenderers fabrication site.
17. The undersigned reserves to himself the right to reject any or all tenders without notice nor assigning any reasons thereof.

18. The acceptance or rejection of the tender rest finally with the undersigned and reserves the right of rejecting any tender or any item in the tender without assigning any reason thereof.
19. The Authority is not bound to accept the lowest tendered rates.

D. D. SANGMA,  
Superintendent of Police, (F&ES),  
Meghalaya, Shillong.

Enclo: "Annexure- 'A' 'B' & 'C'.

NOTICE INVITING TENDER.

Tenders are invited for Fabrication of Water Tender Pump, Mini Water Tender Pump, & Water Tanker for Meghalaya Fire & Emergency Service during the financial year 2009-10.(under State Plan) Sealed tender(s) will be received up to 1100 hours on 04.01.2010 in the office of the undersigned and will be opened on the same day at 1200 hours. Complete details will be available in the Office of the Superintendent of Police, (F&ES), Meghalaya, Shillong, during office hours.

Superintendent of Police, (F&ES),  
Meghalaya, Shillong.

Visit us at: [www.meghpol.nic.in](http://www.meghpol.nic.in).

**ANNEXURE – ‘A’****Specification of Water Tender Pump Type ‘B’ as per (IS-950 / 1980).**

GENERAL: - The Vehicle consists of water tender with a rear mounted Fire Pump of 1800 liters per minute capacity at 7 Kg/cm<sup>2</sup> (400 G.P.M. at 100 Psi) alongwith other equipments.

CHASSIS: - The Chassis will be supplied by the department.

WATER TANK: -

1. The Water Tank shall have an elliptical shape with a capacity of: -
  - a) 6000 litres to be fabricated on 1 (one) No TATA Chassis Model SE1613 TC/42 Cowl chassis.
2. The Water Tank should be suitably mounted on at a safe place and also at such a place so as to allow the full contents of the tank into the pump.
3. It should be suitably baffled with 3 (three) nos. of Baffling plates and its shape and mounting shall be so as to bring the center of gravity as low as conveniently possible.
4. It should be fitted with an inspection manhole and cover on top and cleaning hole of 25 mm in dia with a cover at the base.
5. It should have proper filling and over flow pipe which shall not be less than 50 mm in dia which shall terminate in an accessible position under the appliance and be fitted with delivery hose connection of 63 mm dia to permit the coupling of a length of hose when required to carry away surplus water. The filling pipe shall have proper strainer and delivery hose connection.
6. All pipes shall be reasonably accessible for maintenance purpose.
7. A draining cock shall be provided at the bottom of the tank. It shall be fitted and placed at such a place for trouble free easy operation.
8. The water tank shall be fabricated with mild steel plate. The thickness of the plate for the entire water tank, including baffle, shall not be less than 10 gauge.
9. The tank should be connected with a pump, and a suitably placed center control valve be fitted in such a way that any of the following operation are possible.
  - a. Hydrant to Tank.
  - b. Tank to pump
  - c. Hydrant to pump
  - d. Off.

Both sides of the roof near the Water Tank should be covered by chequered alluminium sheet of 10 gauge.

10. Two hooking arrangement one in front and the other in the rear of the top of the water tank should be provided on the tank to lift it out of the chassis whenever required for repairs etc.

PUMP: -

1. The Pump shall be of centrifugal type capable of delivering 1800 LPM at 7Kg/cm<sup>2</sup> /100 Psi pressure and so designed as to afford easy access to the impeller.
2. It should be of double stage and as light as possible.
3. The Pump shaft shall be made of stainless steel and shall be carried in antifriction bearings external of the casing.
4. The impeller rings shall be removable type and manufactured from high quality bronze.
5. The gland shall be self-adjustable type.
6. A drain plug shall be provided.



7. The suction inlet shall be provided with a standard 100 mm suction hose connection with internal strainer and blank cap.
8. The strainer shall be readily removable, but retained firmly in the position when in use.
9. There shall be not less than two delivery valves having 63 mm instantaneous female couplings with quick release check valves with a standard hose connection.
10. Pump side works should be finished by Alluminium chequered sheets.

**PRIMER: -** A reciprocating double stage primer capable of lifting water at the rate of one feet per second from a depth of 24 feet having positive displacement twin position air pump shall be provided.

**POWER TAKE OFF: -** Full torque drive link take off shall be provided to ensure high efficiency. TATA make P.T.O. to be provided.

**COOLING SYSTEM: -** It shall be indirect open circuit type through a heat exchanger coil.

**CONTROL PANEL: -** Apart from the driver's dashboard control panel there should be an illuminated control panel near the delivery and suction side of the pump. The following shall be provided.

- a. Throttle control
- b. Compound gauge – vacuum 0.75 cm.
- c. Primer control
- d. Five way control valve.
- e. Pressure gauge (pressure calibrated from 0 to 17.5 Kg per cm<sup>2</sup>/ 0 to 250 Psi)
- f. Water level indicator
- g. A bell push for a bell in the driver's cabin.
- h. A bell in the driver's cabin.
- i. A multi purpose Monitor facility on the top.

**TOWING ARRANGEMENT : -** Towing arrangement at the rear shall be provided for towing Trailer Pump. Drag Hooks on the front of the vehicle to tow or pull heavy objects by the vehicle.

**BODY WORKS: -**

1. Cabin should have 2 (two) line seating capacity i.e.1 (one) fixed seat, for incharge 1 (one) adjustable seat for Driver. and another long seat for 6 (six) person. Seats should be provided with rubber foam cushion and covered with best quality rexin.
2. Body frame shall be made of MS angles properly painted with anti-rust paint and flats with aluminum 20 gauge paneling with insulation for ceiling noise.
3. Cab door should have safety glasses. Grab rails and non-slip steps to be provided where necessary. Provision of steps as required to enter into the cabin should be made and one hanging rail with three holders should be provided inside the cabin. There shall be lighting arrangements in cabin.
4. Wind shield glass with Iron netting

**LOCKERS: -**

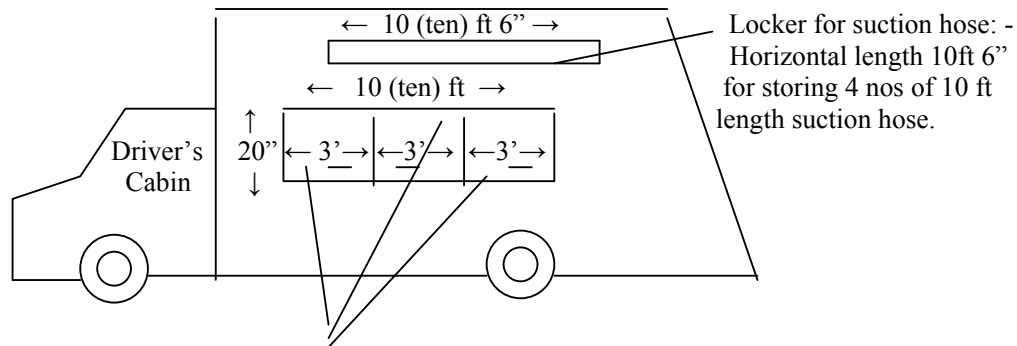
1. 2 (two) lockers, 1 (one) on each side of the body shall be provided for storage of the fire fighting equipments. The size of the lockers should be as follows: -
  - i) On TATA Chassis SE/1613/TC 42 Cowl Chassis, 6000 ltrs capacity, inside measurements:
 

Horizontal length	-- 10 (ten) feet
Height	-- 20 (twenty) inches.
Depth	-- 20 (twenty) inches.

Each locker should be provided with 3 (three) doors of equal sizes. There shall be no partition inside this locker.

- ii) Two separate storage lockers for storing of 4 (four) lengths of 10 feet length suction hose on top of the three lockers on either side with access from the rear of the tanker. The floor of the storage locker should be fitted with rollers so that the suction hose can be easily taken out or placed inside.

The position of the lockers on the tanker is as shown in the diagram below:



2 (two) lockers, on each side of 9' length horizontally for 6000 litres tanker and 20" height for tankers. 3 Doors to open from bottom up. Each door size width- 3 ft, height 20". 1 (one) collapsible bracket to hold up the door to be fitted in each of the 3 doors. There shall be no partition in the lockers.

#### Side View of the Tanker

2. The floor of all the lockers should be with 14 gauge aluminium chequered sheet.
3. The partition between the lockers and the water tank should be of 1 (one) mm gauge 1" wire netting.
4. Locker doors shall be of Shutter system and internal lining of the lockers should be of thermos etc..
5. Lighting arrangements shall be provided in the lockers along with indicator lights at driver's panel to indicate proper locking of doors. A master switch for isolating the lighting circuit shall be provided. The proper locking arrangement is also to be made on the fuel tank.

**MULTI-PURPOSE MONITOR:-**A Multi-Purpose monitor made of Light Alloy duly treated for anticorrosion shall be mounted on the top deck of the fire tender in such a manner that it can be manually operated by a single crew member in an emergency. The monitor should be capable of traversing through 360° in a horizontal plane, and elevating from horizontal to 45°. and depressing from horizontal to not less than 15 deg. The monitor shall be of self aspirating type with a flow rate of at least 2200 lpm of water at 7 kg/cm<sup>2</sup>. Nozzle also should be light alloy automatic type duly hard anodized having jet/spray arrangement. It shall have an expansion ratio of not less than 8 using foam compound conforming to IS: 4989. The monitor shall be capable of projecting the discharge to an effective distance of not less than 35 to 40 mtrs. A connection for using the auxiliary foam compound pick-up tube shall be provided to enable the foam compound to be induced into the pump direct from the foam drums. A pick-up tube with strainer shall be supplied for this purpose.

**LADDER GALLOWS:-** To be provided at the centre to carry 10.5 meters Trussed Type aluminum extension ladder. The ladder is also to be supplied with the appliance.

**AND EXTENSION LADDER**

**WORKMANSHIP: -** All parts of the appliance shall be of good workmanship and finish. Railing and handles etc., shall be of chromium plating. The appliance shall be painted in Fire Red Post Office Colour with service letters on both sides of "MEGHALAYA FIRE & EMERGENCY SERVICE".

**TOOL AND: -**  
**EQUIPMENTS**

The following shall be supplied with the fire appliance:

Equipments:	a) Suction Hose 4" dia X 10 ft. length	-	3 lengths
	fitted with threaded couplings.		
	b) Metal strainer	-	1 No.
	c) Basket strainer	-	1 No.
	d) Suction wrench	-	1 pair.

Tools for

running repairs:	a) D.E. spanners, 6mm to 26mm	-	1 (one) set of 12 pieces
	b) Screw drivers 12"	-	1 No.
	c) Combination pliers 8"	-	1 No.
	d) Slide wrench 12"	-	1 No.

**ACCESSORIES: -** The following shall be supplied / fitted suitably in the appliance over and above the item mentioned herein above:

a) Fire Bell (250 mm) fitted in the side of the drivers cab.	-	1No.
b) Electric siren (Heavy Duty 'KHERAJ' MAKE) .	-	1 No.
c) Powerful fog lamps fitted with 55 watts Halogen bulbs.	-	2 Nos.
d) Powerful reversing light with 25 watts Halogen bulb.	-	1 No.
e) Revolving amber coloured blinker lights (like VIP lights) mounted on each side on top of the driver's cabin.	-	2 Nos.
f) Inspection lamp	-	1 No.
g) Portable powerful spot light/search light with extension cord of 30 mtr. length and plug at one end.	-	1 No.
h) Plug socket for the portable spot light.	-	1 No.

**INSTRUCTION: -** An Instruction Book containing both operating and maintenance procedure shall be supplied. Full-illustrated spare parts catalogue for the pump shall also be supplied with the unit.

**BOOK**

**ANNEXURE – ‘B’****Specification of Mini Water Tender Pump Type ‘B’ as per (IS-950 / 1980).**

GENERAL: - The Vehicle consists of water tender with a rear mounted Fire Pump of 1350 litres per minute capacity at 7 Kg/cm<sup>2</sup> (400 G.P.M. at 100 Psi) alongwith other equipments.

CHASSIS: - The Chassis will be supplied by the department.

WATER TANK: -

1. The Water Tank shall have an elliptical shape with a capacity of: -
  - a) 3500 litres to be fabricated on 1 (one) No TATA Chassis Model SFC 709 Cowl chassis.
2. The Water Tank should be suitably mounted on at a safe place and also at such a place so as to allow the full contents of the tank into the pump.
3. It should be suitably baffled with 3 (three) nos. of Baffling plates and its shape and mounting shall be so as to bring the center of gravity as low as conveniently possible.
4. It should be fitted with an inspection manhole and cover on top and cleaning hole of 25 mm in dia with a cover at the base.
5. It should have proper filling and over flow pipe which shall not be less than 50 mm in dia which shall terminate in an accessible position under the appliance and be fitted with delivery hose connection of 63 mm dia to permit the coupling of a length of hose when required to carry away surplus water. The filling pipe shall have proper strainer and delivery hose connection.
6. All pipes shall be reasonably accessible for maintenance purpose.
7. A draining cock shall be provided at the bottom of the tank. It shall be fitted and placed at such a place for trouble free easy operation.
8. The water tank shall be fabricated with mild steel plate. The thickness of the plate for the entire water tank, including baffle, shall not be less than 10 gauge.
9. The tank should be connected with a pump, and a suitably placed center control valve be fitted in such a way that any of the following operation are possible.
  - a. Hydrant to Tank.
  - b. Tank to pump
  - c. Hydrant to pump
  - d. Off.

Both sides of the roof near the Water Tank should be covered by chequered alluminium sheet of 10 gauge.

10. Two hooking arrangement one in front and the other in the rear of the top of the water tank should be provided on the tank to lift it out of the chassis whenever required for repairs etc.

PUMP: -

1. The Pump shall be of centrifugal type capable of delivering 1350 LPM at 7Kg/cm<sup>2</sup> /100 Psi pressure and so designed as to afford easy access to the impeller.
2. It should be of double stage and as light as possible.
3. The Pump shaft shall be made of stainless steel and shall be carried in antifriction bearings external of the casing.
4. The impeller rings shall be removable type and manufactured from high quality bronze.
5. The gland shall be self-adjustable type.
6. A drain plug shall be provided.

7. The suction inlet shall be provided with a standard 100 mm suction hose connection with internal strainer and blank cap.
8. The strainer shall be readily removable, but retained firmly in the position when in use.
9. There shall be not less than two delivery valves having 63 mm instantaneous female couplings with quick release check valves with a standard hose connection.
10. Pump side works should be finished by Alluminium chequered sheets.

**PRIMER: -** A reciprocating two stage type of primer capable of lifting water at the rate of one feet per second from a depth of 24 feet having positive displacement twin position air pump shall be provided.

**POWER TAKE OFF: -** Full torque drive link take off shall be provided to ensure high efficiency. SYALL make P.T.O. to be provided.

**COOLING SYSTEM: -** It shall be indirect open circuit type through a heat exchanger coil.

**CONTROL PANEL: -** Apart from the driver's dashboard control panel there should be an illuminated control panel near the delivery and suction side of the pump. The following shall be provided.

- a. Throttle control
- b. Compound gauge – vacuum 0.75 cm.
- c. Primer control
- d. Five way control valve.
- e. Pressure gauge (pressure calibrated from 0 to 17.5 Kg per cm<sup>2</sup>/ 0 to 250 Psi)
- f. Water level indicator
- g. A bell push for a bell in the driver's cabin.
- h. A bell in the driver's cabin.
- i. A multi purpose Monitor on the top.

**TOWING ARRANGEMENT : -** Towing arrangement at the rear shall be provided for towing Trailer Pump. Drag Hooks on the front of the vehicle to tow or pull heavy objects by the vehicle.

**BODY WORKS: -**

1. Cabin should have 2 (two) line seating capacity i.e.1 (one) fixed seat, for incharge 1 (one) adjustable seat for Driver. and another long seat for 6 (six) person Seats should be provided with rubber foam cushion and covered with best quality rexin.
2. Body frame shall be made of MS angles properly painted with anti-rust paint and flats with aluminum 20 gauge paneling with insulation for ceiling noise.
3. Cab door should have safety glasses. Grab rails and non-slip steps to be provided where necessary. Provision of steps as required to enter into the cabin should be made and one hanging rail with three holders should be provided inside the cabin. There shall be lighting arrangements in cabin.
4. Wind shield glass with Iron netting

**LOCKERS: -**

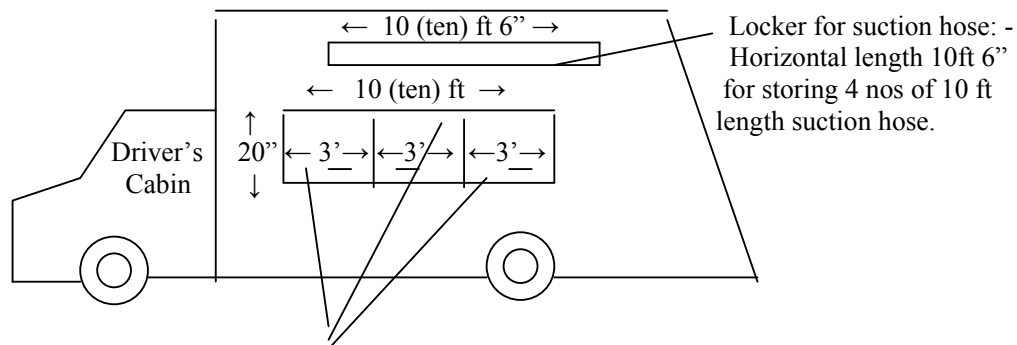
1. 2 (two) lockers, 1 (one) on each side of the body shall be provided for storage of the fire fighting equipments. The size of the lockers should be as follows: -
  - i) On TATA Chassis SFC 709 Cowl Chassis, 3500 ltrs capacity, inside measurements:
 

Horizontal length	-- 10 (ten) feet
Height	-- 20 (twenty) inches.
Depth	-- 20 (twenty) inches.

Each locker should be provided with 3 (three) doors of equal sizes. There shall be no partition inside this locker.

- ii) Two separate storage lockers for storing of 4 (four) lengths of 10 feet length suction hose on top of the three lockers on either side with access from the rear of the tanker. The floor of the storage locker should be fitted with rollers so that the suction hose can be easily taken out or placed inside.

The position of the lockers on the tanker is as shown in the diagram below:



2 (two) lockers, on each side of 9' length horizontally for 3500 litres tanker and 20" height for tankers. 3 Doors to open from bottom up. Each door size width- 3 ft, height 20". 1 (one) collapsible bracket to hold up the door to be fitted in each of the 3 doors. There shall be no partition in the lockers.

#### Side View of the Tanker

2. The floor of all the lockers should be with 14 gauge aluminium chequered sheet.
3. The partition between the lockers and the water tank should be of 1 (one) mm gauge 1" wire netting.
4. Locker doors shall be of Shutter system and internal lining of the lockers should be of thermos etc..
5. Lighting arrangements shall be provided in the lockers along with indicator lights at driver's panel to indicate proper locking of doors. A master switch for isolating the lighting circuit shall be provided. The proper locking arrangement is also to be made on the fuel tank.

**LADDER GALLOWS:- AND EXTENSION LADDER** To be provided at the centre to carry 7.5 meters aluminum extension ladder. The ladder is also to be supplied with the appliance.

**WORKMANSHIP:-** All parts of the appliance shall be of good workmanship and finish. Railing and handles etc., shall be of chromium plating. The appliance shall be painted in Fire Red Post Office Colour with service letters on both sides of "MEGHALAYA FIRE & EMERGENCY SERVICE".

**TOOL AND:- EQUIPMENTS**

The following shall be supplied with the fire appliance:

a) Suction Hose 4" dia X 10 ft. length	-	3 lengths
fitted with threaded couplings.		
b) Metal strainer	-	1 No.

	c) Basket strainer	-	1 No.
	d) Suction wrench	-	1 pair.
Tools for			
running repairs:	a) D.E. spanners, 6mm to 26mm	-	1 (one) set of 12 pieces
	b) Screw drivers 12"	-	1 No.
	c) Combination pliers 8"	-	1 No.
	d) Slide wrench 12"	-	1 No.

ACCESSORIES: - The following shall be supplied / fitted suitably in the appliance over and above the item mentioned herein above:

a) Fire Bell (250 mm) fitted in the side of the drivers cab.	-	1No.
b) Electric siren (Heavy Duty 'KHERAJ' MAKE) .	-	1 No.
c) Powerful fog lamps fitted with 55 watts Halogen bulbs.	-	2 Nos.
d) Powerful reversing light with 25 watts Halogen bulb.	-	1 No.
e) Revolving amber coloured blinker lights (like VIP lights) mounted on each side on top of the driver's cabin.	-	2 Nos.
f) Inspection lamp	-	1 No.
g) Portable powerful spot light/search light with extension cord of 30 mtr. length and plug at one end.	-	1 No.
h) Plug socket for the portable spot light.	-	1 No.

INSTRUCTION: - An Instruction Book containing both operating and maintenance procedure shall be supplied. Full-illustrated spare parts catalogue for the pump shall also be supplied with the unit.

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**ANNEXURE – ‘C’****Specification of Water Tanker.**

- GENERAL: - The Vehicle consists of water tender with a rear mounted Fire Pump of 1800 liters per minute capacity at 7 Kg/cm<sup>2</sup> (400 G.P.M. at 100 Psi) alongwith other equipments.
- CHASSIS: - The Chassis will be supplied by the department.
- WATER TANK: -
1. The Water Tank shall have an elliptical shape with a capacity of: -
    - a) 5000 litres to be fabricated on 1 (one) No TATA Chassis Model SA 1212 TC/42 BS-II Cowl chassis.
  2. The Water Tank should be suitably mounted on at a safe place and also at such a place so as to allow the full contents of the tank into the pump.
  3. It should be suitably baffled with 3 (three) nos. of Baffling plates and its shape and mounting shall be so as to bring the center of gravity as low as conveniently possible.
  4. It should be fitted with an inspection manhole and cover on top and cleaning hole of 25 mm in dia with a cover at the base.
  5. It should have proper filling and over flow pipe which shall not be less than 50 mm in dia which shall terminate in an accessible position under the appliance and be fitted with delivery hose connection of 63 mm dia to permit the coupling of a length of hose when required to carry away surplus water. The filling pipe shall have proper strainer and delivery hose connection.
  6. All pipes shall be reasonably accessible for maintenance purpose.
  7. A draining cock shall be provided at the bottom of the tank. It shall be fitted and placed at such a place for trouble free easy operation.
  8. The tank should be connected with a pump, and a suitably placed center control valve be fitted in such a way that any of the following operation are possible.
    - a. Hydrant to Tank.
    - b. Tank to pump
    - c. Hydrant to pump
    - d. Off.
  9. Two hooking arrangement one in front and the other in the rear of the top of the water tank should be provided on the tank to lift it out of the chassis whenever required for repairs etc.
- PUMP: -
1. The Pump shall be of centrifugal type capable of delivering 1800 LPM at 7Kg/cm<sup>2</sup> /100 Psi pressure and so designed as to afford easy access to the impeller.
  2. It should be of double stage and as light as possible.
  3. The Pump shaft shall be made of stainless steel and shall be carried in antifriction bearings external of the casing.
  4. The impeller rings shall be removable type and manufactured from high quality bronze.
  5. The gland shall be self-adjustable type.
  6. A drain plug shall be provided.
  7. The suction inlet shall be provided with a standard 100 mm suction hose connection with internal strainer and blank cap.
  8. The strainer shall be readily removable, but retained firmly in the position when in use.



9. There shall be not less than two delivery valves having 63 mm instantaneous female couplings with quick release check valves with a standard hose connection.
10. Pump side works should be finished by Alluminium chequered sheets.

**PRIMER: -** A reciprocating double stage primer capable of lifting water at the rate of one feet per second from a depth of 24 feet having positive displacement twin position air pump shall be provided.

**POWER TAKE OFF: -** Full torque drive link take off shall be provided to ensure high efficiency. TATA make P.T.O. to be provided.

**COOLING SYSTEM: -** It shall be indirect open circuit type through a heat exchanger coil.

**CONTROL PANEL: -** Apart from the driver's dashboard control panel there should be an illuminated control panel near the delivery and suction side of the pump. The following shall be provided.

- a. Throttle control
- b. Compound gauge – vacuum 0.75 cm.
- c. Primer control
- d. Five way control valve.
- e. Pressure gauge (pressure calibrated from 0 to 17.5 Kg per cm<sup>2</sup>/ 0 to 250 Psi)
- f. A bell push for a bell in the driver's cabin.
- g. A bell in the driver's cabin.

**TOWING : -** Towing arrangement at the rear shall be provided for towing Trailer Pump.  
**ARRANGEMENT** Drag Hooks on the front of the vehicle to tow or pull heavy objects by the vehicle.

**BODY WORKS: -**

1. Cabin should have 2 (two) line seating capacity i.e.1 (one) fixed seat, for incharge 1 (one) adjustable seat for Driver. and another long seat for 6 (six) person. Seats should be provided with rubber foam cushion and covered with best quality rexin.
2. Body frame shall be made of MS angles properly painted with anti-rust paint and flats with aluminum 20 gauge paneling with insulation for ceiling noise.
3. Cab door should have safety glasses. Grab rails and non-slip steps to be provided where necessary. Provision of steps as required to enter into the cabin should be made and one hanging rail with three holders should be provided inside the cabin. There shall be lighting arrangements in cabin.
4. Wind shield glass with Iron netting

**LOCKERS: -**

- i) 2 (two) lockers, 1 (one) on each side of the tank shall be provided for storage of 4 (four) nos. of Delivery Hose of 22.5 mtr. in length in each locker.
- ii) Two separate storage lockers for storing of 4 (four) lengths of 10 feet length suction hose with access from the rear of the tanker. The floor of the storage locker should be fitted with rollers so that the suction hose can be easily taken out or placed inside.

**WORKMANSHIP: -** All parts of the appliance shall be of good workmanship and finish. Railing and handles etc., shall be of chromium plating. The appliance shall be painted in Fire Red Post Office Colour with service letters on both sides of "MEGHALAYA FIRE & EMERGENCY SERVICE".

**TOOL AND: -**

**EQUIPMENTS**

The following shall be supplied with the fire appliance:

Equipments:	a) Suction Hose 4" dia X 10 ft. length fitted with threaded couplings.	-	3 lengths
	b) Metal strainer	-	1 No.
	c) Basket strainer	-	1 No.
	d) Suction wrench	-	1 pair.
Tools for running repairs:	a) D.E. spanners, 6mm to 26mm	-	1 (one) set of 12 pieces
	b) Screw drivers 12"	-	1 No.
	c) Combination pliers 8"	-	1 No.
	d) Slide wrench 12"	-	1 No.

**ACCESSORIES: -**

The following shall be supplied / fitted suitably in the appliance over and above the item mentioned herein above:

a) Fire Bell (250 mm) fitted in the side of the drivers cab.	-	1No.
b) Electric siren (Heavy Duty 'KHERAJ' MAKE) .	-	1 No.
c) Powerful fog lamps fitted with 55 watts Halogen bulbs.	-	2 Nos.
d) Powerful reversing light with 25 watts Halogen bulb.	-	1 No.
e) Revolving amber coloured blinker lights (like VIP lights) mounted on each side on top of the driver's cabin.	-	2 Nos.
f) Inspection lamp	-	1 No.
g) Portable powerful spot light/search light with extension cord of 30 mtr. length and plug at one end.	-	1 No.
h) Plug socket for the portable spot light.	-	1 No.

**INSTRUCTION: -  
BOOK**

An Instruction Book containing both operating and maintenance procedure shall be supplied. Full-illustrated spare parts catalogue for the pump shall also be supplied with the unit.